Jan. 5, 1932. J. W. McCLINTOCK 1,840,120

ROLL PAPER HOLDER

Filed Jan. 16, 1929

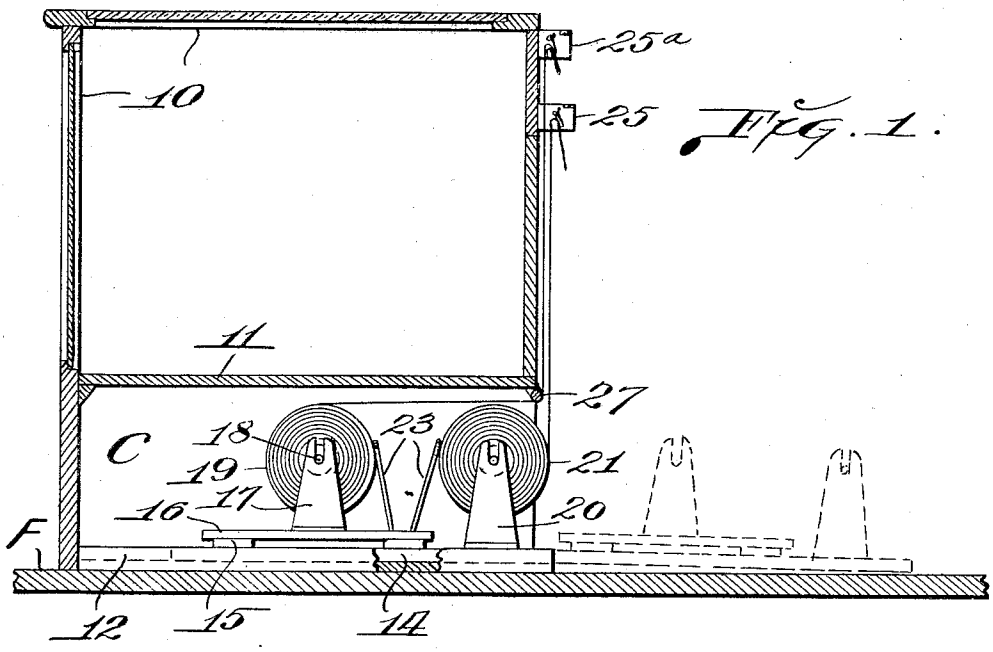


Fig. 1.

Fig. 2.

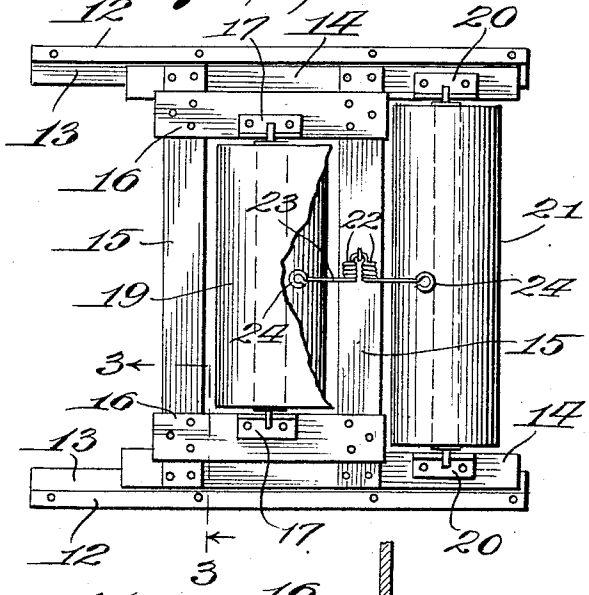


Fig. 4.

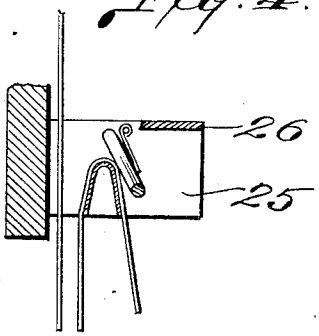
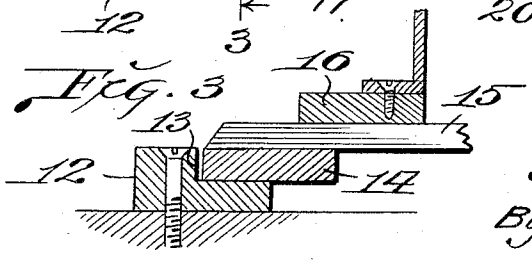


Fig. 3



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UNITED STATES PATENT OFFICE

JAMES W. McCLINTOCK, OF LOS ANGELES, CALIFORNIA, ASSIGNOR TO E-Z REACH PAPER CUTTER CORPORATION, LTD., OF LOS ANGELES, CALIFORNIA, A CORPORATION OF CALIFORNIA

ROLL PAPER HOLDER

Application filed January 16, 1929. Serial No. 332,990.

My invention relates to a roll paper holder, and has for its principal object the provision of relatively simple and practical means for holding rolls of wrapping paper in an out-of-the-way position beneath a showcase, counter or the like, and which holding means is mounted so that it may be bodily moved from one position to the other, thereby enabling the holding means to be readily loaded when it becomes necessary to replenish the supply of paper, which, in roll form, is mounted upon the holding means.

Practically all of the modern types of showcases are constructed so that there is a space or chamber between the floor and the false bottom of the showcase, and I propose to arrange a roll paper carrier so that it may be readily shifted into and out of this space and to arrange paper cutters on the upper rear portion of the showcase, thereby providing convenient means for holding the supply of the wrapping paper and the means utilized for cutting or severing portions of the paper from said rolls.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will hereinafter be more fully described and claimed and illustrated in the accompanying drawings, in which:

Fig. 1 is a cross sectional view of a showcase of the modern type and showing my improved roll paper holder in position below said showcase.

Fig. 2 is a plan view of my improved roll paper holder.

Fig. 3 is an enlarged detail section taken approximately on the line 3—3 of Fig. 2.

Fig. 4 is an enlarged cross sectional view of one of the paper cutters utilizel in connection with my improved holder.

Referring by numerals to the accompanying drawings which illustrate a practical embodiment of my invention, 10 designates a showcase of the modern type which is provided with a false bottom 11 that is located a short distance above and parallel with the floor F on which the showcase stands and the chamber C below the false bottom is open at the rear in order that stock and material not generally used may be stored within said chamber. I propose to utilize this space for the reception of rolls of wrapping paper and to this end I secure on the floor within the chamber C a pair of parallel rails 12, the upper inner corners of which are cut away to form runways 13 for the sliding frame that supports the rolls of wrapping paper.

The outer ends of these rails 12 terminate at or near the vertical plane occupied by the rear wall of the showcase, thus leaving the floor or space immediately to the rear of the showcase free of obstructions.

Mounted for sliding movement upon the rails 12 is a frame comprising a pair of parallel base members 14, the outer portions of which occupy the guideways 13, and secured on top of these base members are the ends of a pair of transversely disposed rails 15, one of which is located near the rear ends of the members 14 and the other one being located adjacent to the centers of said members.

Secured on top of the transverse rails 15 and inset short distances from the ends thereof are rails 16 that are parallel with the base members 14 and rails 12.

Secured on top of the central portions of the rails 16 are upwardly projecting brackets 17, preferably of metal, the upper portions of which are slotted for the reception of the journals 18 that project from the ends of a shaft that carries a roll 19 on wrapping paper.

Secured on top of the rails 14 to the rear of the frame comprising the rails 15 and 16 are upwardly projecting brackets 20, preferably of metal, in which are journaled the ends of a shaft that carries a roll of paper 21.

Inasmuch as the rails 14 are spaced a greater distance apart than the rails 16, the brackets 20 that are mounted in said rails 14 will accommodate a roll of paper of greater length than the roll that is supported between the brackets 17 and this arrangement is a decided advantage inasmuch as two different widths of wrapping paper may be mounted on the same support or holder.

Secured on top of the transverse rail 15 that is disposed between the rolls of paper 19 and 21 is a section of wire having its inter-

mediate portion bent to form spring coils 22 and extending from said coils upwardly are arms 23 that terminate in loops 24, and which latter bear with a certain degree of pressure on the surfaces of the rolls of paper and prevent the same from unwinding too freely when the webs of paper are withdrawn to be torn off.

When the holder is properly positioned within the chamber C the periphery of the roll 21 projects slightly beyond the vertical plane occupied by the rear wall of the showcase, and the web of paper from this roll extends upward behind the showcase and the upper end of said web is engaged by a suitable paper cutter 25, preferably of the type disclosed in my copending application for United States Letters Patent filed June 11, 1928, Serial Number 284,423, now Patent No. 1,774,480, and which cutter is provided with a horizontally disposed tearing edge 26 against which the web of paper is engaged when the unwound portion of the paper is to be torn off.

Arranged directly above the paper cutter 25 is a second similar paper cutter 25*a* that receives the upper portion of the web of paper from the roll 19 and for the accommodation of the web of paper that unwinds from the roll 19 a roller 27 is arranged just below the corner between the rear wall of the showcase and the false bottom 11.

To load my improved roll paper holder, or to position the rolls of paper thereupon, the sliding frame comprising the rails 14, 15 and 16 is drawn outwardly upon the rails 12 until said holder occupies the position as shown by dotted lines in Fig. 1, and when so positioned the bearings 17 and 20 are disposed wholly outside the showcase so that rolls of paper may be arranged between said bearings.

After the holder has been loaded it is moved rearwardly or into position within the chamber C, as shown by solid lines in Fig. 1, and after the webs of paper from the rolls have been threaded through the cutters 25 and 25*a*, portions of said paper may be conveniently withdrawn and torn off.

Thus it will be seen that I have provided a roll paper holder that is relatively simple in construction, inexpensive of manufacture, and which may be advantageously employed when holding rolls of paper that are utilized for wrapping various articles in merchandise establishments.

An especially desirable feature of my invention is that the improved roll paper holder combines readily with the showcases now generally used in stores, and while the holder normally occupies an out-of-the-way position beneath a showcase or counter, it may be readily withdrawn to a position where it may be conveniently loaded to replenish the supply of wrapping paper.

The construction of the sliding portion of the holder and the arrangement of the supporting brackets 17 and 20 enables two rolls of paper to be mounted on the holder, which rolls are of standard width and diameter and by locating the holder in the space or chamber beneath the standard forms of showcases the rolls of paper which otherwise would take up considerable room in the aisle behind a show case are conveniently positioned in an ordinary unused space.

It will be understood that minor changes in the size, form and construction of the various parts of my improved roll paper holder may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. The combination with a store structure provided in its lower portion with a chamber, of a pair of horizontally disposed rails positioned in the lower portion of said chamber, a skeleton frame arranged for sliding movement on said rails, said frame comprising a pair of side rails, a pair of transverse rails and a pair of relatively short rails mounted on top of said tranverse rails, which short rails are inset relative to said side rails, a pair of bearings located on the forward ends of said side rails, a pair of bearings mounted on the intermediate portions of the inset short rails, both pairs of which bearings are adapted to receive the journals of roll paper carrying members, spring arms secured on the central portion of the front one of said pair of transverse rails between the rolls of paper, the free upper ends of which spring arms bear on the surfaces of said rolls of paper and a pair of spaced paper cutters arranged on the rear upper portion of the store structure for receiving and supporting the webs of paper from the rolls carried by the sliding frame.

2. The combination with a store structure provided in its lower portion with a chamber, of a pair of horizontally disposed parallel rails fixed in the lower portion of said chamber, which rails are substantially L-shape in cross section, a skeleton frame mounted for sliding movement upon said rails which frame comprises a pair of parallel side rails that bear on the fixed L-shaped rails, a pair of parallel transverse rails having their ends secured to said side rails and a pair of short rails secured on top of said transverse rails, which short rails are inset from the ends of said transverse rails and said side rails, a pair of bearings secured to and projecting upwardly from the front portions of the side rails, a pair of bearings secured to and projecting upwardly from the intermediate portions of the short rails, roll paper carrying spindles of different lengths having their ends journaled respectively in

said bearings and spring arms secured to and projecting upwardly from the central portion of the front one of the transverse rails, the free upper ends of which spring arms bear on the surfaces of the rolls of paper carried by said spindles.

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